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MONTANA OIL AND GAS STATISTICAL BULLETIN

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HELENA, MONTANA 59601

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1721 ELEVENTH AVENUE
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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXIII, No. 12 **DECEMBER, 1974**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1974, averaged 91,756 barrels daily, an increase of 495 barrels from the average 91,261 production in November.

The nine refineries in the state processed 136,291 barrels of crude oil daily for the month of December, 1974, a decrease of 7,785 barrels from the 144,076 barrels processed daily during the month of November.

During December, 153 wells were completed, 12 oil, 64 gas and 77 dry holes.

During December, the Board issued 65 permits to drill new wells, a decrease of 38 from the 103 permits issued during November.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC. IN MONTANA

MONTH OF DECEMBER, 1974

IN STORAGE DECEMBER 1st	
By Producers	317,312
By Transporters	1,208,436
By Refiners	1,116,544
TOTAL STORAGE	2,642,292
Produced in Montana During Month	2,844,432
Imported During Month	3,397,655
TOTAL	8,884,379
DISPOSITION:	
Refined in Montana	4,225,050
Exported	1,794,394
Used for Fuel or Lost	511
TOTAL	6,019,955
IN STORAGE DECEMBER 31st	
By Producers	320,904
By Transporters	1,434,832
By Refiners	1,108,688
TOTAL STORAGE	2,864,424

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA

Month of December, 1974

Field	M. C. Ft.
NATURAL:	
Big Coulee	140,695
Black Coulee	13,443
Blackjack	34,498
Bowdoin	430,705
Bowes	84,825
Cedar Creek	1,806,740
Canadian Coulee	51,718
Cut Bank (including Reagan)	304,059
Dry Creek	67,618
Ethridge	10,069
Flat Coulee	15,046
Gold Butte	—0—
Grandview	627
Hardin	2,002
Keith Block	131,129
Kevin Sunburst	49,250
Kicking Horse	16,712
Lake Basin	668,883
Liscom Creek	51,249
Middle Butte	2,142
Mt. Lilly	12,455
Plevna	5,853
South Devon	19,736
Shepard	227,880
Rapelje	78,363
Tiger Ridge	1,470,618
Trail Creek	—0—
Utopia	62,514
West Butte	87,298
Whitlash	58,956
ASSOCIATED:	
Bell Creek	62,349
Brush Lake	—0—
Cabin Creek	46,900
Elk Basin	38,528
Fairview	35,565
Fred & George Creek	2,052
Pine	50,009
Richland	38,047
Tule Creek	11,100
TOTAL	6,189,633

Total Withdrawals for December, 1973, were 6,213,409.

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PRODUCERS REPORT — MONTH OF DECEMBER, 1974

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	134	753	----------	614	----------	273
1	Bainville	1	1,533	1,340	----------	734	----------	2,139
5	Bear's Den	6	1,049	887	----------	614	----------	1,322
16	Bell Creek	226	20,672	791,084	792,612	----------	373	18,771
1	Benrud	1	289	174	----------	----------	----------	463
3	Benrud East	3	1,938	7,787	----------	7,863	----------	1,862
1	Benrud Northeast	1	648	1,655	----------	1,525	----------	778
1	Berthelote	1	263	95	190	----------	----------	168
5	Big Wall	17	1,283	4,694	4,383	----------	----------	1,594
3	Blackfoot	4	318	1,053	702	----------	----------	669
2	Border	6	2,568	506	----------	601	----------	2,473
1	Bowes	51	3,892	9,689	8,528	----------	----------	5,053
1	Bradley	1	492	506	725	----------	----------	273
4	Brorson-Madison	4	1,073	2,862	----------	2,647	----------	1,288
5	Brorson-Red River	5	6,163	7,274	----------	6,676	----------	6,761
3	Brorson-Red River South	3	1,352	7,138	----------	6,777	----------	1,713
4	Brush Lake	4	508	11,208	10,660	----------	----------	1,056
1	Burns Creek	1	470	1,260	----------	1,216	----------	514
2	Cabin Creek	85	----------	184,816	184,816	----------	----------	----------
1	Canal	1	330	5,155	----------	4,882	----------	603
8	Cat Creek	36	2,648	12,123	12,760	----------	----------	2,011
1	Chelsea Creek	1	168	159	----------	212	----------	115
----	Clark's Fork	----------	8	----------	----------	----------	----------	8
1	Clark's Fork South	1	435	1,095	----------	1,030	----------	500
2	Cow Creek	2	107	602	----------	532	----------	177
4	Cow Creek East	5	763	13,753	----------	13,733	----------	783
1	Culbertson	1	436	527	----------	820	----------	143
8	Cupton	9	6,934	10,672	6,023	2,050	----------	9,533
129	Cut Bank	891	54,187	238,406	207,037	36,500	403	48,653
----	Dean Dome	----------	65	----------	----------	----------	----------	65
1	Deer Creek	1	370	1,058	1,327	----------	----------	101
1	Delphia	1	152	10	----------	----------	----------	162
1	Devil's Basin	1	747	195	----------	204	----------	738
1	Dwyer	9	4,103	8,824	9,510	----------	----------	3,417
3	Elk Basin	52	626	107,646	107,798	----------	----------	474
5	Elk Basin Northwest	11	1,904	1,798	2,183	----------	----------	1,519
5	Fairview	9	8,043	27,128	21,658	4,403	972	8,138
2	Fertile Prairie	2	676	1,513	----------	1,596	----------	593
5	Flat Coulee	21	2,423	10,642	10,052	----------	----------	3,013
27	Flat Lake	51	2,203	55,372	54,769	----------	----------	2,806
6	Flat Lake South	6	1,798	7,268	7,986	----------	----------	1,080
1	Four Buttes	1	185	229	----------	174	----------	240
1	Ft. Gilbert	1	1,184	1,942	2,113	----------	----------	1,013
1	Frannie	1	----------	682	682	----------	----------	----------
13	Fred & George Creek	31	2,188	29,625	29,340	----------	----------	2,473
1	Froid South	1	299	965	----------	839	----------	425
1	Gage	1	24	146	----------	----------	----------	170
3	Gas City	17	2,897	18,392	12,914	2,650	----------	5,725
1	Girard	1	1,273	381	----------	656	----------	998
12	Glendive	15	1,841	22,571	22,561	----------	----------	1,851
13	Goose Lake	30	3,684	26,862	25,935	----------	----------	4,611
15	Graben Coulee	34	7,958	15,794	12,741	3,139	142	7,730
1	Gypsy Basin	1	----------	391	391	----------	----------	----------
1	Hay Creek-Mission Canyon	1	4	1,502	1,377	----------	----------	129
1	Hay Creek-Red River	1	540	2,867	3,160	----------	----------	247
4	Hiawatha	4	2,747	4,652	5,703	----------	----------	1,696
1	Hibbard	1	332	917	----------	968	----------	281
2	Howard Coulee	2	581	4,511	4,616	----------	----------	476
5	Ivanhoe	10	1,211	3,203	2,584	----------	----------	1,830
2	Jim Coulee	18	3,915	41,664	42,106	----------	----------	3,473
7	Keg Coulee	22	5,597	10,141	8,994	----------	40	6,704
2	Keg Coulee North	2	625	1,648	1,364	----------	----------	909
1	Kelley	3	555	3,043	3,162	----------	----------	436
60	Kevin Sunburst	341	12,135	18,419	16,778	2,138	25	11,613
1	Laird Creek	11	1,049	2,100	----------	1,920	----------	1,229
1	Landslide Butte	2	1,209	402	----------	----------	----------	1,611
2	Leary	2	2,310	2,522	----------	2,713	17	2,102
2	Little Beaver	24	----------	37,076	37,031	----------	----------	45
2	Little Beaver East*	8	1,826	15,180	15,705	----------	----------	1,301
6	Little Wall Creek	8	2,509	26,908	26,913	----------	----------	2,504
1	Lodge Grass	1	374	678	----------	507	----------	545
1	Lone Butte	1	908	6,716	----------	6,954	----------	670
5	Lonetree Creek	5	3,445	8,739	----------	8,920	----------	3,264
3	Lookout Butte (Coral Creek)	29	72	56,196	55,793	----------	----------	475
2	Mason Lake	2	333	365	364	----------	----------	334
2	Melstone	4	500	995	648	----------	----------	847
----	Mineral Bench	----------	174	----------	----------	----------	----------	174
7	Monarch	11	2,008	9,506	8,259	1,550	----------	1,705
2	Mosser	2	----------	379	----------	379	----------	----------
2	Nohly	2	989	16,457	----------	16,537	----------	909
3	Otis Creek	3	2,373	3,437	----------	3,307	----------	2,503
6	Outlook	7	6,029	21,598	21,624	----------	----------	6,003
1	Outlook South	1	1,475	747	1,605	----------	----------	617
1	Outlook West	1	671	778	358	----------	----------	1,091
1	Pennel-Lookout Butte	108	----------	204,704	204,704	----------	----------	----------
4	Pine	113	17,473	239,537	239,943	----------	----------	17,067
62	Pondera	282	4,512	25,968	25,581	----------	----------	4,899
6	Poplar	63	7,251	41,228	39,483	----------	----------	8,996
2	Poplar Northwest	2	1,335	653	852	----------	----------	1,136
----	Prairie Elk	----------	474	----------	----------	----------	----------	474
1	Pritchard Creek	5	167	711	711	----------	----------	167
1	Putnam	1	242	3,088	----------	3,088	----------	242
3	Rabbit Hills	3	1,648	6,022	----------	5,506	----------	2,164
10	Ragged Point	19	6,229	12,329	12,577	----------	----------	5,981
2	Rattlesnake Coulee	2	203	421	----------	84	----------	540
4	Raymond	4	3,799	31,680	31,725	----------	----------	3,754
3	Reagan	44	706	14,171	14,027	----------	----------	850
1	Red Creek	19	----------	11,722	11,722	----------	----------	----------
1	Red Fox	1	306	575	670	----------	----------	211
1	Redstone	1	232	1,480	1,297	----------	----------	415
1	Repeat	1	340	1,249	----------	1,289	----------	300
4	Reserve	4	846	3,597	3,476	----------	----------	967
1	Richey	1	387	1,753	----------	1,712	----------	428
1	Richey Southwest	5	625	1,738	1,897	----------	----------	466
1	Riprap Coulee	1	397	1,155	1,118	----------	----------	434
3	Rosebud	3	1,033	18,791	18,476	----------	----------	1,348
1	Rush Mountain	1	541	2,290	2,475	----------	----------	356
2	Salt Lake	2	412	2,588	----------	2,675	----------	325
3	Sand Creek	4	1,064	2,306	2,641	----------	----------	729
2	Second Creek	2	462	6,904	----------	6,550	----------	816
4	Sioux Pass	5	3,863	28,624	28,893	----------	----------	3,594
1	Snyder	3	609	779	----------	815	----------	573
7	Soap Creek	18	1,981	3,556	4,141	----------	----------	1,396
1	Spring Lake	2	1,109	2,355	----------	2,815	----------	649
3	Stensvad	8	2,194	11,172	10,724	----------	----------	2,642
21	Sumatra	95	21,674	140,087	140,193	----------	18	21,550
4	Tule Creek	4	3,018	15,728	----------	14,976	----------	3,770
2	Tule Creek East	2	701	3,402	----------	3,245	----------	858
2	Tule Creek South	2	1,155	978	----------	1,288	----------	845
2	Vida	2	633	777	----------	1,060	----------	350
5	Volt	6	2,894	9,923	----------	10,601	----------	2,216
1	Wagon Box	1	358	732	----------	265	----------	825
3	Weldon	3	1,061	4,354	3,962	----------	----------	1,453
1	West Butte	1	----------	702	----------	702	----------	----------
18	Whitlash	44	7,322	10,786	10,748	----------	----------	7,360
----	Whitlash West	----------	284	----------	----------	----------	----------	284
2	Willow Creek North	2	625	807	1,018	----------	----------	414
3	Wills Creek South	3	----------	3,973	3,616	----------	----------	357
4	Winnett Junction	4	947	4,734	----------	4,397	----------	1,284
2	Wolf Springs	2	833	1,420	----------	1,184	----------	1,069
2	Woodrow	2	343	1,655	1,385	----------	----------	613
3	Wright Creek	5	2,686	907	1,155	----------	----------	2,438
1	Wildcat, Blaine Co.	1	157	268	----------	268	----------	157
----	Wildcat, McCone Co.	----------	87	----------	----------	----------	----------	87
----	Wildcat, Toole Co.	----------	294	----------	----------	----------	----------	294
686	TOTAL	3,103	317,312	2,844,432	2,627,750	211,100	1,990	320,904

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1973	34,620,182	94,850	34,617,999	94,844
1st Quarter, 1974	8,601,572	95,573	8,580,737	95,342
2nd Quarter, 1974	8,837,787	97,119	8,818,313	96,905
3rd Quarter, 1974	8,586,617	98,333	8,352,266	90,786
October, 1974	2,910,532	93,888	2,916,764	94,089
November, 1974	2,737,827	91,261	2,723,377	91,146
December, 1974	2,844,432	91,756	2,838,850	91,576

*Montana Oil Only **Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF DECEMBER, 1974

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			614				614		
BAINVILLE—Koch Oil Co.			734				734		
BEAR'S DEN—Truck			614				614		
BELL CREEK—Continental Pipeline	39,921	792,612					581,218	215,915	35,400
BIG WALL—Continental Pipeline Co.		4,383				4,383			
BLACKFOOT—Phillips Petroleum Co.		702						702	
BORDER—Permian Corp.			601					601	
BOWES—Texaco		8,528				8,528			
BRORSON-MADISON, BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH—Koch Oil Co.			16,100					16,100	
BRUSH LAKE—Portal Pipeline Co.		10,660					10,660		
BURNS CREEK—Western Crude Oil, Inc.			1,216				1,216		
CABIN CREEK & OTHERS[1]—									
Butte Pipeline Co.	299,811	435,475	56,381	1,340,738			1,845,504		286,901
Shell Pipeline Co.	3,948	48,823			316			49,036	3,419
	303,759	484,298	56,381	1,340,738	316		1,845,504	49,036	290,320
CANAL—Koch Oil Company			4,882				4,882		
CAT CREEK—Continental Pipeline Co.		12,760				12,760			
CHELSEA CREEK—Western Crude Oil, Inc.			212				212		
CLARK'S FORK & CLARK'S FORK SOUTH—Permian Corp.			1,030				1,030		
COW CREEK & COW CREEK EAST—Western Crude Oil, Inc.			14,265				14,265		
CUT BANK—									
Continental Pipeline Co.		305,353	6,423				311,776		
Phillips Petroleum Co.	29,745	91,156		68,423	200	158,819			30,305
Texas Pipeline Co.	13,378	30,679		57,392	136	83,045			18,268
Union Oil Co.	54,205	39,456			1,181	49,416			43,064
Western Oil Trans. Co.		29,950				29,950			
Western Oil Trans. Co. (Moulton)		25,760				25,760			
	97,328	522,354	6,423	125,815	1,517	346,990	311,776		91,637
DWYER—Portal Pipeline Co.		9,510					9,510		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		109,133				109,133			
FAIRVIEW—									
Fairview Pipeline Co.		21,658					21,658		
Koch Oil Co.			4,403				4,403		
		21,658	4,403				26,061		
FLAT COULEE—Phillips Petroleum Co.		9,773				9,773			
FLAT LAKE & FLAT LAKE SOUTH—Portal Pipeline Co.		52,699					52,699		
FT. GILBERT—Fairview Pipeline Co.		2,113					2,113		
FRANNIE—Intersttae Pipeline Co.		682					682		
FRED & GEORGE CREEK—Phillips Petroleum Co.	7,404	35,207			229	29,340			13,042
GIRARD—Koch Oil Co.			656				656		
GLENDIVE, DEE RCREEK, WOOD-ROW & SAND CREEK—Texas Pipeline Co.	8,572	21,656			(1,122)			24,269	7,081
GOOSE LAKE—Portal Pipeline Co.		24,445					24,445		
HAY CREEK—Fairview Pipeline Co.		4,537					4,537		
HIAWATHA—Continental Pipeline Co.		5,703					5,703		
IVANHOE—Continental Pipeline Co.		2,584				2,584			
JIM COULEE—Continental Pipeline Co.		42,106						42,106	
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		10,358				10,358			
KELLY—Continental Pipeline Co.		3,162				3,162			
KEVIN SUNBURST—									
Big West Oil Co.	7,136	14,223				15,844			5,515
Homestake Oil & Gas Co.	1,532	2,371				2,438			1,465
Texas Pipeline Co.	12,871	7,695		3,018	30	9,039			14,515
Northern Montana Oil Service	1,246	17,056		19,544		37,296			550
	22,785	41,345		22,562	30	64,617			22,045
LEARY—Permian Corp.			2,713				2,713		
LODGE GRASS—Permian Corp.			507			507			
LONE TREE CREEK—Koch Oil Co.			8,920					8,920	
MASON LAKE—Continental Pipeline Co.		364				364			
MELSTONE—Continental Pipeline Co.		648				454	194		
MIDDLE WALL—Continental Pipeline Co.[2]		50,440						50,440	
MOSSER—Permian Corp.			379				379		
NOHLY—Koch Oil Co.			16,537				16,537		
OTIS CREEK—Western Crude Oil Co.			3,307				3,307		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST—Portal Pipeline Co.		23,705						23,705	
PONDERA—Phillips Petroleum Co.	17,697	25,668			42	33,455			9,868
POPLAR, RED FOX, REDSTONE—East Poplar Gathering System	10,425	47,416			466			51,199[3]	6,176
PUTNAM—Western Crude Oil Co.			3,088				3,088		
RABBIT HILLS—Koch Oil Co.			5,506				5,506		
RAGGED POINT—Continental Pipeline Co.		12,577				12,577			
RAYMOND—Portal Pipeline Co.		31,725					31,725		
RED CREEK—Westren Oil Transportation Co.		11,700						11,700	
RESERVE—Portal Pipeline Co.		3,425					3,425		
RIPRAP COULEE—Portal Pipeline Co.		1,118						1,118	
ROSEBUD—Continental Pipeline Co.		18,476				18,476			
RUSH MOUNTAIN—Sinclair Ref. Co.		2,475					2,475		
SALT LAKE—Koch Oil Co.			2,675				2,675		
SECOND CREEK—Koch Oil Co.			6,550				6,550		
SIOUX PASS—Continental Pipeline Co.		28,893					18,393	10,500	
SNYDER—Permian Corp.			815			815			
SPRING LAKE—Koch Oil Co.			2,815				2,815		
SUMATRA & STENSVAD—Continental Pipeline Co.	695,400	130,427		2,903,600	(2,957)	133,725		2,642,034	956,625
TULE CREEK, BENRUD, VOLT & OTHERS[4]—Tesoro Petroleum, Permian Corp.	5,145		41,755	960		45,222			2,638
			1,288			1,288			
	5,145		43,043	960		46,510			2,638
WAGON BOX—Truck			265				265		
WHITLASH & WHITLASH WEST—Phillips Petroleum Co.		10,748				10,748			
WINNETT JUNCTION—Truck			4,397			4,397			
WOLF SPRINGS—Permian Corp.			1,184			1,184			
WILDCAT WELLS—Truck			268					268	
TOTAL	1,208,436	2,632,773	211,100	4,393,675	(1,479)	864,840	2,999,178	3,148,613	1,434,832

[1]Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Weldon and Wills Creek South, Vida.
[2]Little Wall Creek and Willow Creek North.
[3]Transferred to Butte Pipeline Co.
[4]Benrud, Benrud East, Benrud Northeast, Culbertson, Froid, Four Buttes, Tule Creek, Tule Creek East, Richey Southwest and Volt.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER, 1974

	Big West Oil Co.	Continental Oil Co.	Exxon Co.	Farmers Union	Phillips Petr. Co.	Tesoro Petr. Co.	Westco Refining Co.	Total
Big Wall	.....	4,383	.....	.....	.....	.....	.....	4,383
Cat Creek	.....	2,890	.....	9,870	.....	.....	.....	12,760
Cut Bank	55,582	.....	.....	.....	125,580	.....	142,635	323,797
Elk Basin	.....	41,500*	31,500*	36,133*	.....	.....	.....	109,133
Flat Coulee	.....	.....	.....	.....	.....	.....	9,773	9,773
Fred and George Creek	29,340	.....	.....	.....	.....	.....	.....	29,340
Ivanhoe	.....	2,584	.....	.....	.....	.....	.....	2,584
Keg Coulee	.....	7,362	1,097	1,899	.....	.....	.....	10,358
Kelley	.....	.....	3,162	.....	.....	.....	.....	3,162
Kevin Sunburst	64,617	.....	.....	.....	.....	.....	.....	64,617
Lodge Grass	.....	507	.....	.....	.....	.....	.....	507
Mason Lake	.....	364	.....	.....	.....	.....	.....	364
Melstone	.....	.....	.....	454	.....	.....	.....	454
Pondera	.....	.....	.....	.....	19,366	.....	.....	19,366
Ragged Point	.....	12,577	.....	.....	.....	.....	.....	12,577
Rosebud	.....	18,476	.....	.....	.....	.....	.....	18,476
Richey, Southwest	.....	.....	.....	.....	.....	2,959	.....	2,959
Snyder	.....	815	.....	.....	.....	.....	.....	815
Sumatra and Stensvad	.....	50,477	10,504	80,606	.....	.....	.....	141,587
Tule Creek and Others	.....	.....	.....	.....	.....	28,806	.....	28,806
Whitlash	.....	.....	.....	.....	9,274	.....	.....	9,274
Winnett Junction	.....	.....	.....	4,397	.....	.....	.....	4,397
Wolf Springs	.....	.....	1,184	.....	.....	.....	.....	1,184
Volt	.....	.....	.....	.....	.....	16,722	.....	16,722
TOTAL Montana Oil	149,539	141,935	47,447	133,359	154,220	48,487	152,408	827,395
Canadian Oil Imported	.....	336,044	530,081	758,570	37,851	960	.....	1,663,506
Wyoming Oil Imported	.....	876,958	778,075	79,116	.....	.....	.....	1,734,149
TOTAL Montana, Canadian and Wyoming Oil	149,539	1,354,937	1,355,603	971,045	192,071	49,447	152,408	4,225,050

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year 1973	26,563	43,474	69,599	139,636
December, 1973	27,465	38,412	87,838	153,715
December, 1974	26,690	53,661	55,940	136,291

*Estimated

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
	19.02%	31.13%	49.85%
	17.87%	25.00%	57.13%

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage*	Total Oil In Storage**
September, 1974	321,580	1,183,011	1,105,051	2,609,642
October, 1974	314,306	1,318,261	1,146,692	2,779,259
November, 1974	317,312	1,208,436	1,116,544	2,642,292
December, 1974	320,904	1,434,832	1,108,688	2,864,424